

customs officials, as well as to review the regulatory framework, governing aspects of customs declaration, which will reduce the time for goods release and optimize officials' workforce.

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«Telematics solutions for socio and economic development within the frameworks of coronavirus effect»

Research Field:

A secure business environment for economic development

In the context of the global coronavirus effect, socio-economic systems are undergoing significant changes for safe and sustainable development at the micro, meso and macro levels. At the same time, the strongest aspects of the system are considered as the main criteria and foundation for growth, which in the transition period is a driver of development and support for many areas of the economy. Unfortunately, the COVID-19 situation today has an impact on the global economy. Experts from the Institute of International Finance concluded that in 2019 the amount of global debt increased by more than \$ 10 trillion, while reaching a record level of \$ 255 trillion. According to the estimates of the Institute's experts, this figure is 322% of global GDP¹. Trade may become one of the most vulnerable sectors of the economy, and the fall in the volume of world trade, according to the WTO, could amount to 13-32% in 2020. According to Bloomberg estimates, the economic consequences of the coronavirus in the world will amount to at least \$ 5 trillion in April 2020. The fact of the crisis indicators show a declining GDP in many countries in the second quarter of 2020, for example, in Lithuania, GDP fell by 5.1%, in Latvia by 7.5%, in the Czech Republic by 8.4%. The economies of Italy suffered the most - 18.5%, Portugal - 14.1%, France - 13.1%. According to analysts at KPMG, the world's largest auditing firm, the effects of the coronavirus can be divided into short-term and long-term. At the same time, short-term changes affect the sphere of trade and logistics, a decrease in consumer demand during the period of isolation, as well as export restrictions for medications². If the decrease in the export of medicines, in our opinion, is due to the need to saturate the domestic market, then the issues of a decrease in trade indicators and changes in the logistics supply chain can significantly reduce the country's business performance, as well as affect the development of small and medium-sized businesses, which, for example in

¹ Bloomberg оценил потери мировой экономики от коронавируса \$5% трлн [Электронный ресурс] : РБК. – Режим доступа: <https://www.rbc.ru/economics/09/04/2020/5e8ec97f9a79478537a44e47>. – Дата доступа: 09.04.2020.

² Экономические последствия коронавируса [Электронный ресурс] : Зубр капитал. - Режим доступа: <https://zubrcapital.com/ru/blog/ekonomicheskie-posledstviya-koronavirusa>. – Дата доступа: 16.10.2020.

the Republic of Belarus, is a factor in the growth of the national economy. The contribution of small and medium-sized businesses to the GDP of Belarus in 2019 amounted to 26.1% (in 2018 - 24.6%). Including the contribution of small business was 15.9%, medium business - 7%, individual entrepreneurs - 3,2% ¹. In turn, long-term planning and the challenges of the plague economy provide for the creation of strategies for planning the cost of manufactured products, as well as reducing costs by increasing control in the transport and logistics sectors. The statistical data of the wholesale and retail trade in the Republic of Belarus show a decrease in the share of the indicator in the total GDP in 2019 by 0.6% compared to the data of 2018. Transport activity remained as a percentage of the total share of GDP at 5.9%. At the same time, it should be noted that for the period 2019-2020, the number of legal entities in the field of trade and transport has significantly decreased. The author's research shows that for the period of 2019, both types of activities lost in the number of business entities, the growth rate for trade in the number of legal entities was 98%, and for transport activities - 97%. According to Belstat data for the period 2019 and 2020 the volume of cargo turnover of transport and cargo transportation also decreased.

The author's analysis of statistical data also showed that the coronavirus effect affected passenger and cargo turnover, including the growth rate of which in 2020 amounted to 66% and 94%, respectively. In turn, the volume of cargo and passenger traffic also declined in 2020, showing growth rates of 93% and 81%, respectively². Certainly, in the context of a global pandemic and social distancing, the functioning of transport companies is becoming a real challenge for business, in addition, quarantine measures and the closure of the borders of neighboring countries affect trade indicators, in particular for businesses importing goods from abroad. By the way, it is worth noting that the coronavirus effect also affected areas of business related to transport and trade, such as delivery services. These can be e-commerce, e-shops; or offline stores, which, due to the appearance of the coronavirus in the economic arena, were forced to switch to the online format due to significant restrictions and for the safety of their client. According to analysts in May 2020, the Belarusian consumer prioritized food delivery services, which were second in the top 5 list. At the same time, during April 2020, Belarusians paid for food delivery 31-37% more often than last year. Coronavirus situation and general lockdown / self-isolation played into the hands of delivery services ³. Along with the arrival of

¹ Вклад малого и среднего бизнеса в ВВП Беларуси составил 26,1% [Электронный ресурс] : Интернет-портал «belta.by». – Режим доступа: <https://www.belta.by/economics/view/vklad-malogo-i-srednego-biznesa-v-vvp-belarusi-sostavil-261-391490-2020/>. – Дата доступа: 20.06.2020.

² Беларусь в цифрах, 2020 [Электронный ресурс] : Национальный статистический комитет Республики Беларусь. – Режим доступа: <https://www.belstat.gov.by/upload/iblock/372/372c458c7e0e0196257ac51b11a0cf73.pdf>. – Дата доступа: 28.06.2020.

³ Крупный банк рассказал, на что белорусы стали тратить больше [Электронный ресурс] : TUT.BY. – Режим доступа: <https://finance.tut.by/news685689.html>. – Дата доступа: 23.05.2020.

greater consumer demand, there is also uncertainty and delays due to the unwillingness of the business to instantly repurpose from offline to online modes. Unfortunately, 6 out of 10 delivery services were forced to close due to the lack of the necessary business optimization tools, as well as the competent organization of the service for the distribution and processing of orders, while controlling the process of transporting orders, as well as the quality of their work by couriers.

In connection with the above analysis of the transport and trade in the Republic of Belarus, the author comes to the conclusion that it is necessary to create tools or solutions that help to reduce the costs of the logistics and transport sectors, at least in the long term, and also allow us to adapt to the modern realities of doing business in under the conditions of a coronavirus crisis, when a business is forced to think not only about its cost / income indicators, but also about the level of safety of its personnel and clients. Telematic solutions can be considered among the possible factors of business development in the field of logistics and transport, including trade. The author's idea is based on the desire to “collect” the existing experience of using telematic solutions that can optimize business processes in companies, as well as help reduce / minimize costs, which is very important for a long-term development perspective. The existing international experience in the use of telematic solutions shows the variety of their application: in transport, logistics, personal monitoring, control over the state of property or personnel in the service sector, etc. An example is the experience of Papa John's pizzeria chain, which, in addition to a telematics solution, also uses the iiko restaurant business automation system to control production facilities and finances. The integration of the GPS monitoring system with the iiko platform allowed reducing the time spent on processing customer addresses, as well as creating routes for the delivery of orders and their distribution between drivers. In addition, the integrated solution allows you to track the status of the vehicle fleet of the delivery service (busy / free) with the aim of optimal and timely distribution of cars to couriers for subsequent transportation of the order to the client. In addition, with high-quality tuning of all components of the system, as well as using the desired set of options and equipment, the organization saves up to 14% on reducing costs from the quality of driving of drivers and fuel costs ¹. It should be noted that the above telematics solution can be applied not only for the pizza delivery service, but also in any restaurant services, or adjusted to the needs of delivery in e-commerce or retrained upon the requirements of transport and logistics services. In addition, special equipment or mobile applications installed on drivers' smartphones, in conjunction with an RFID tag / distance sensor, allow business owners to control social

¹ Monitoring of Papa John's couriers in Russia [Electronic resource] : Gurtam. – Mode of access: <https://gurtam.com/en/case-studies/monitoring-of-couriers-in-russia>. – Date of access: 17.04.2020.

distancing of employees in the workplace, which gives an option to comply with the minimum necessary measures to prevent the spread of coronavirus infection in the workplace, as a result, it creates a secure business environment for economic development at micro level which affect the macro result.

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«Competitive features of China's digital transformation: experience and possibilities of use»

Research Field:

Customs and Business: Modern technologies in international trade

In modern conditions of globalization of the world economy, the role of the development of digital technologies, the organization of a high-quality institutional environment for the widespread introduction of digital technologies into the economy, is significantly increasing. The digital economy is an economic activity that uses digital knowledge and information as a production factor, the Internet as a carrier, and information technology as a key driver for efficiency improvement and structural optimization.

On April, 2020 China Academy of Information and Communications Technology released the «White Paper on China's Digital Economy Development». The white paper shows that in 2020, the scale of China's digital economy reached 39.2 trillion yuan, representing 38.6% of GDP and a nominal year-on-year growth of 9.7%, which is much higher than the nominal GDP growth rate of about 6.7 % in the same period. The digital economy is accelerating and is effectively supporting epidemic prevention and economic and social development¹.

The reasons for the rapid development of China's digital economy are primarily related to the implementation of a number of forward-looking digital infrastructure development policies by the government. According to official data, the number of internet users in China was 940 million by the first half of 2020 and the country had an internet penetration rate of 67 percent.¹ The scale of e-commerce has 749 million online shoppers and 805 million online payment users, the penetration level of which is shown in Figure 1. Fast and affordable internet access has translated China's demographic dividend and huge market into the data dividend and thus became an advantage for the digital economy. China has probably the most abundant data

¹ Future of China's digital economy. [Electronic resource]. - Mode of Access: <https://www.chinadaily.com.cn/a/202101/28/WS6011fe41a31024ad0baa5911.html>. - Date of access: 05.05. 2021.